

CLAIMS

1. An opening/closing controlling apparatus for performing an automatic opening/closing control of an opening/closing object mounted on a vehicle,
5 comprising:

automatic opening/closing means for automatically opening/closing the opening/closing object;

collision detecting means for detecting a collision of the vehicle;

10 time measuring means for measuring a time from a time when the collision detecting means detects the collision of the vehicle; and

opening/closing controlling means for prohibiting automatic opening/closing of the opening/closing object
15 from the time of the collision of the vehicle and for permitting the automatic opening/closing by the automatic opening/closing means after passage of a predetermined time since the collision.

20 2. The opening/closing controlling apparatus according to Claim 1, wherein the time measuring means for measuring the predetermined time comprises at least two time measuring circuits.

25 3. The opening/closing controlling apparatus according to Claim 2, wherein the time measuring means

comprises first time measuring means and second time measuring means each for measuring a first time from the time when the collision detecting means detects the collision of the vehicle, and

5 wherein the opening/closing controlling means prohibits the automatic opening/closing operation of the opening/closing object from the time when the collision detecting means detects the collision of the vehicle and thereafter the opening/closing controlling
10 means permits the automatic opening/closing operation of the opening/closing object after passage of the first time is measured by both the first time measuring means and the second time measuring means.

15 4. The opening/closing controlling apparatus according to Claim 1, wherein the time measuring means comprises first time measuring means for measuring a first time from the time when the collision detecting means detects the collision of the vehicle, and second
20 time measuring means for measuring a second time from the time when the collision detecting means detects the collision of the vehicle, the second time measuring means being provided separately from the first time measuring means, and

25 wherein the opening/closing controlling means prohibits the automatic opening/closing operation of

the opening/closing object from the time when the collision detecting means detects the collision of the vehicle, thereafter the opening/closing controlling means permits the automatic opening/closing operation of the opening/closing object after passage of the first time, and then the opening/closing controlling means makes the automatic opening/closing means perform an opening operation of the opening/closing object after passage of the second time set longer than the first time.

5. The opening/closing controlling apparatus according to Claim 4, further comprising locking maintaining means for maintaining a locking state of the opening/closing object from the time when the collision detecting means detects the collision of the vehicle, to passage of a third time set shorter than the first time.

6. The opening/closing controlling apparatus according to Claim 3, wherein the opening/closing object is a door for entrance and exit mounted on a side of the vehicle.

7. The opening/closing controlling apparatus according to Claim 4, wherein the opening/closing

object is a door for entrance and exit mounted on a side of the vehicle.

8. The opening/closing controlling apparatus
5 according to Claim 3, wherein the opening/closing object is an autowindow mounted on a side of the vehicle.

9. The opening/closing controlling apparatus
10 according to Claim 4, wherein the opening/closing object is an autowindow mounted on a side of the vehicle.

10. The opening/closing controlling apparatus
15 according to Claim 3, wherein the automatic opening/closing means comprises a motor for opening/closing the opening/closing object and wherein the opening/closing controlling means stops supply of power to the motor, thereby prohibiting the automatic
20 opening/closing of the opening/closing object.

11. The opening/closing controlling apparatus
according to Claim 4, wherein the automatic opening/closing means comprises a motor for
25 opening/closing the opening/closing object and wherein the opening/closing controlling means stops supply of

power to the motor, thereby prohibiting the automatic opening/closing of the opening/closing object.